



Please type or plus sign (+) inside this box →

PTO/SB/08A (08-00)

Approved for use through 10/31/2002 OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | | | |
|--|---|----|---|---|--------|
| Substitute for form 1449A/PTO | | | | APR 15 2002 RECEIVED U.S. PATENT & TRADEMARK OFFICE ENTERING | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | | | |
| (use as many sheets as necessary) | | | | | |
| Sheet | 1 | of | 4 | Attorney Docket Number | UF-270 |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|-----------------------|----------------------|--------------------------------------|------------------|---|
| Examiner Initials* | Cite No. ¹ | U.S. Patent Document | | Publication Date | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number | Kind Code ² (if known) | MM-DD-YYYY | Name of Patentee or Applicant of Cited Document |
| JW | U1 | US 3,649,199 | | 3/14/72 | Littlejohn |
| | U2 | US 3,951,607 | | 4/20/76 | Fraser |
| | U3 | US 4,202,352 | | 5/13/80 | Osborn |
| | U4 | US 4,312,228 | | 1/26/82 | Wohltjen |
| | U5 | US 4,361,026 | | 11/30/82 | Muller et al. |
| | U6 | US 4,399,686 | | 8/23/83 | Kindlund et al. |
| | U7 | US 4,734,777 | | 3/29/88 | Okino et al. |
| | U8 | US 4,796,639 | | 1/10/89 | Snow et al. |
| | U9 | US 4,895,017 | | 1/23/90 | Pyke et al. |
| | U10 | US 4,938,928 | | 7/3/90 | Koda et al. |
| | U11 | US 4,992,244 | | 2/12/91 | Grate |
| | U12 | US 5,034,192 | | 7/23/91 | Wrighton et al. |
| JK | U13 | US 5,042,501 | | 8/27/91 | Kenny et al. |
| JK | U14 | US 5,060,506 | | 10/29/91 | Douglas |

| FOREIGN PATENT DOCUMENTS | | | | | |
|--------------------------|-----------------------|---------------------------|---------------------|--------------------------------------|---|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | | Publication Date | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Country Code ³ | Number ⁴ | Kind Code ⁵ (if known) | |
| JK | F1 | | WO 92/10749 | 25.06.92 | Novapure Corporation |
| JK | F2 | | WO 95/31718 | 23.11.95 | Forschungszentrum Karlsruhe GmbH |
| JK | F3 | | WO 99/12471 | 18.03.99 | Oridion Medical Ltd. |
| | F4 | | | | |
| | F5 | | | | |
| | F6 | | | | |
| | F7 | | | | |
| | F8 | | | | |
| | F9 | | | | |
| | F10 | | | | |

| | | | |
|--------------------|--|-----------------|----------|
| Examiner Signature | | Date Considered | 10/13/03 |
|--------------------|--|-----------------|----------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box →

APR 01 2002

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2 of 4

Complete if Known

| | |
|------------------------|--------------------------|
| Application Number | 10/054,619 |
| Filing Date | January 22, 2002 |
| First Named Inventor | Richard J. Melker et al. |
| Group Art Unit | 3736 |
| Examiner Name | |
| Attorney Docket Number | UF-270 |

RECEIVED
TECHNOLOGY CENTER 2000
APR - 5 2002

U.S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | U.S. Patent Document | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|----------------------|--------------------------------------|--------------------------------|--|--|
| | | Number | Kind Code ² (if known) | | | |
| MU | U15 | US 5,071,770 | | 12/10/91 | Kolesar, Jr. | |
| | U16 | US 5,081,871 | | 1/21/92 | Glaser | |
| | U17 | US 5,137,692 | | 8/11/92 | Fritz | |
| | U18 | US 5,145,645 | | 9/8/92 | Zakin et al. | |
| | U19 | US 5,179,027 | | 1/12/93 | Fisher | |
| | U20 | US 5,252,292 | | 10/12/93 | Hirata et al. | |
| | U21 | US 5,325,704 | | 7/5/94 | Mariani et al. | |
| | U22 | US 5,351,522 | | 10/4/94 | Lura | |
| | U23 | US 5,465,608 | | 11/14/95 | Lokshin et al. | |
| | U24 | US 5,466,700 | | 11/14/95 | Batenhorst et al. | |
| | U25 | US 5,528,924 | | 6/25/96 | Wajid et al. | |
| | U26 | US 5,547,878 | | 8/20/96 | Kell | |
| NK | U27 | US 5,560,352 | | 10/1/96 | Heim et al. | |
| | U28 | US 5,573,005 | | 11/12/96 | Ueda et al. | |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
|--------------------|-----------------------|---------------------------|---------------------|--------------------------------------|--------------------------------|---|--|----------------|
| | | Country Code ³ | Number ⁴ | Kind Code ⁵ (if known) | | | | |
| | F1 | | | | | | | |
| | F2 | | | | | | | |
| | F3 | | | | | | | |
| | F4 | | | | | | | |
| | F5 | | | | | | | |
| | F6 | | | | | | | |
| | F7 | | | | | | | |
| | F8 | | | | | | | |
| | F9 | | | | | | | |
| | F10 | | | | | | | |

Examiner Signature

Date Considered

10/13/02

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

+ Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

APR 01 2003

Please type a plus sign (+) inside this box → +

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

3

of

4

Complete if Known

| | |
|----------------------|--------------------------|
| Application Number | 10/054,619 |
| Filing Date | January 22, 2003 |
| First Named Inventor | Richard J. Melker et al. |
| Group Art Unit | 3736 |
| Examiner Name | |

Attorney Docket Number UF-270

RECEIVED
U.S. PATENT AND TRADEMARK OFFICE
APR 5 2003
CENTRAL FILING CENTER R-2700**U.S. PATENT DOCUMENTS**

| Examiner Initials* | Cite No. ¹ | U.S. Patent Document | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|----------------------|--------------------------------------|--------------------------------|--|---|
| | | Number | Kind Code ² (if known) | | | |
| W | U29 | US 5,605,612 | | 2/25/97 | Park et al. | |
| | U30 | US 5,756,879 | | 5/26/98 | Yamagishi et al. | |
| | U31 | US 5,771,890 | | 6/30/98 | Tamada | |
| | U32 | US 5,776,783 | | 7/7/98 | Kell | |
| | U33 | US 5,783,154 | | 7/21/98 | Althainz et al. | |
| | U34 | US 5,795,787 | | 8/18/98 | Silkoff et al. | |
| | U35 | US 5,830,412 | | 11/3/98 | Kimura et al. | |
| | U36 | US 5,900,552 | | 5/4/99 | Chu et al. | |
| | U37 | US 5,918,257 | | 6/29/99 | Mifsud et al. | |
| | U38 | US 5,945,069 | | 8/31/99 | Buehler | |
| | U39 | US 5,950,630 | | 9/14/99 | Portwood et al. | |
| | U40 | US 5,954,685 | | 9/21/99 | Tierney | |
| | U41 | US 5,962,335 | | 10/5/99 | Katzman | |
| | U42 | US 5,971,937 | | 10/26/99 | Ekström | |
| | U43 | US 6,010,459 | | 1/4/2000 | Silkoff et al. | |
| | U44 | US 6,085,576 | | 7/11/2000 | Sunshine et al. | |
| | U45 | US 6,136,801 | | 10/24/2000 | Kell | |
| | U46 | US 6,180,414 | B1 | 1/30/2001 | Katzman | |
| | U47 | US 6,186,977 | B1 | 2/13/2001 | Andrews et al. | |
| | U48 | US 6,216,690 | B1 | 4/17/2001 | Keitel et al. | |
| | U49 | US 6,244,096 | B1 | 6/12/2001 | Lewis et al. | |
| X | U50 | US 6,251,082 | B1 | 6/26/2001 | Rayburn I | |
| W | U51 | US 6,305,212 | B1 | 10/23/2001 | Drzewiecki | |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
|--------------------|-----------------------|---------------------------|---------------------|--------------------------------------|--------------------------------|---|--|----------------|
| | | Country Code ³ | Number ⁴ | Kind Code ⁵ (if known) | | | | |
| | F1 | | | | | | | |
| | F2 | | | | | | | |
| | F3 | | | | | | | |

Examiner Signature

[Signature]

Date Considered

10/13/03

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

APR 01 2002

Please type a plus sign (+) inside this box

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO
**INFORMATION DISCLOSURE
 STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

4

of

4

Complete if Known

| | |
|----------------------|--------------------------|
| Application Number | 10/054,619 |
| Filing Date | January 22, 2002 |
| First Named Inventor | Richard J. Melker et al. |
| Group Art Unit | 3736 |
| Examiner Name | |

Attorney Docket Number UF-270

NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. |
|--------------------|-----------------------|--|
| MR | R1 | Parry AD et al. (1995) "Leg ulcer odour detection identified beta-haemolytic streptococcal infection," <i>Journal of Wound Care</i> , 4:404-406. |
| | R2 | Huang, J.W. et. al. (Aug. 1, 1996) "Depth of anesthesia estimating & propofol delivery system," http://www.rpi.edu/~royr/roy_descpty.html |
| | R3 | Kenny, G. "Target-controlled infusions-pharmacokinetic and pharmacodynamic variations," http://www.anesthesiologie.med.uni-erlangen.de/esctaic97/a_kenny.htm |
| | R4 | Chandiok S, et al. (1997) "Screening for bacterial vaginosis: a novel application of artificial nose technology," <i>Journal of Clinical Pathology</i> , 50(9):790-791. |
| | R5 | Hanson, III, CW, Steinberger HA (Sep. 1997) "The use of a novel electronic nose to diagnose the presence of intrapulmonary infection," <i>Anesthesiology</i> , 87 (3A), Abstract A269 |
| | R6 | Groves, W.A. et al. (1998) "Analyzing organic vapors in exhaled breath using a surface acoustic wave sensor array with preconcentration: Selection and characterization of the preconcentrator adsorbent," <i>Analytica Chimica Acta</i> pp. 131-143. |
| | R7 | Kuipers, J.A. et al. (1999) "First-pass lung uptake and pulmonary clearance of propofol," <i>Anesthesiology</i> 91:1780-1787. |
| MR | R8 | Fujita, A. et al. (2000) "A Simple method for detecting plasma propofol," <i>Anesth. Analog</i> 90:1452-1454. |
| | R9 | |
| | R10 | |
| | R11 | |
| | R12 | |
| | R13 | |

Examiner Signature

Date Considered

10/13/03

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending on the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.